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**TRANSMITTAL
FORM**

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission

9

Application Number

10/600,278

Filing Date

June 10, 2004

First Named Inventor

Carlo Licata

Art Unit

Examiner Name

Attorney Docket Number

8039-002-CIP

ENCLOSURES (Check all that apply)

Fee Transmittal Form



Fee Attached



Amendment/Reply



After Final



Affidavits/declaration(s)



Extension of Time Request



Express Abandonment Request



Information Disclosure Statement



Certified Copy of Priority Document(s)

Reply to Missing Parts/
Incomplete ApplicationReply to Missing Parts
under 37 CFR 1.52 or 1.53

Drawing(s)



Licensing-related Papers



Petition

Petition to Convert to a
Provisional Application

Power of Attorney, Revocation



Change of Correspondence Address



Terminal Disclaimer



Request for Refund



CD, Number of CD(s) _____

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Remarks



After Allowance Communication to TC

Appeal Communication to Board
of Appeals and InterferencesAppeal Communication to TC
(Appeal Notice, Brief, Reply Brief)

Proprietary Information



Status Letter

Other Enclosure(s) (please identify
below):

Copies of Publications

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm Name

Catalyst Law Group

Signature

Printed name

Michael B. Farber, Esq.

Date

February 4, 2005

Reg. No.

32,612

CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below:

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Typed or printed name

Shar Dirlovich

Date

February 4, 2005

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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THW

PATENT
8039-002-CIP



February 4, 2004

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(37 C.F.R. §1.8a)

I hereby certify that this paper (along with any referred to as being attached or enclosed) is being deposited with the United States Postal Service on the date shown below with sufficient postage as First Class Mail in an envelope addressed to the Commission for Patents, Mail Stop: Information Disclosure Statement, P. O. Box 1450, Alexandria, VA 22313-1450.

February 4, 2005

Date of Deposit

Shar Dirkovich

Name of Person Mailing Paper

Signature of Person Mailing Paper

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

C. Licata

Serial No.: 10/600,278

Filed: June 10, 2004

For: FIBROUS PROTEIN ADSORPTION
OF HEAVY METALS

) Examiner: TBA

) Group Art Unit: TBA

) Docket No.: 8039-002-CIP

) Date Mailed: February 4, 2005

INFORMATION DISCLOSURE STATEMENT

Mail Stop Information Disclosure Statement
Honorable Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

This document is an Information Disclosure Statement to the above-cited patent application.

Attached is at least one form PTO/SB/08A/B listing documents believed relevant to the subject application. The submission of the following information is not intended, nor should it be construed, to constitute an admission that any patent, article, or other information referred to herein is "prior art" unless specifically designated as such. In accordance with 37 C.F.R. § 1.97(b), the filing of this information shall not be construed to mean that a search has been made or that no other material information may exist. Neither should its submission be construed to indicate that a thorough search should not be conducted by the Examiner.

It is believe that this disclosure complies with the requirements of 37 C.F.R. § 1.96, § 1.97, and § 1.98 and the Manual of Patent Examining Procedures § 707.05(b). If for some reason the Examiner considers otherwise, it is respectfully requested that the undersigned be telephoned at (858) 450-0099 x302 so that any deficiencies can be remedied.

It is believed that this Information Disclosure Statement is being submitted before an Office Action on the merits has been mailed for the above-identified patent application. Accordingly, no fee is due under 37 C.F.R. § 1.97(b)(3). If an Office Action on the merits has in fact been mailed, authorization is hereby given to charge the required fee of \$180.00 under 37 C.F.R. § 1.97(c)(2) and § 1.17(p) to Deposit Account No. 502-235.

A copy of each document is enclosed, other than United States patents, copies of which are not required to be provided pursuant to 37 C.F.R. § 1.98(a)(2)(ii). Some of the documents may have markings thereon. No significance is to be attached to the markings. These documents are not necessarily analogous art. Additionally, the order of the following documents is to be accorded no particular import, as the order thereof is completely fortuitous.

It is respectfully requested that these documents be: (1) fully considered by the Patent and Trademark Office during the prosecution of this application; and (2) represented on any patent which may issue on the application. Applicant respectfully requests that copies of the forms PTO/SB/08A/B, as considered and initialed by the Examiner, be returned with the next communication.

If any issues remain, the Examiner is respectfully requested to telephone the undersigned at (858) 450-0099 x302.

U.S. Patent No. 3,931,002 to Ottenheym et al., issued on January 6, 1976.

U.S. Patent No. 4,141,888 to Matsuda et al., issued on February 27, 1979.

U.S. Patent No. 4,257,807 to Drobot, issued on March 24, 1981.

U.S. Patent No. 4,289,531 to Lechavelier et al., issued on September 15, 1981.

U.S. Patent No. 4,869,829 to Casey, issued on September 26, 1989.

U.S. Patent No. 5,411,573 to Kang et al., issued on May 2, 1995.

U.S. Patent No. 5,462,785 to Holland, issued on October 31, 1995.

U.S. Patent No. 5,705,030 to Gassner, III, et al., issued on January 6, 1998.

U.S. Patent No. 5,756,052 to Suzumura et al., issued on May 26, 1998.

U.S. Patent No. 5,779,392 to Mendes, issued on July 14, 1998.

U.S. Patent No. 6,027,608 to Gassner, issued on February 22, 2000.

A publication, "Electrochemical Treatment of Alkaline Nuclear Wastes"
(DOE Report DOE/EM-0560, January 2001).

A publication, J.P. Tratnyek et al., "Waste Wool as a Scavenger for
Mercury Pollution in Waters" (Environmental Protection Agency, U.S. Printing Office,
Washington, DC, 1972).

A publication, K. Suyama et al., "Biosorption of Precious Metal Ions by
Chicken Feathers," Appl. Bio. Biotech. A: Enzyme Eng. & Biotech. 57-58: 67-74 (1996).

A publication, S. Ishikawa & K. Suyama, "Recovery and Refining of Gold
by Gold Cyanide Ion Biosorption Using Animal Fibrous Proteins," Appl. Bio. Biotech.
A: Enzyme Eng. & Biotech. 70-72: 19-28 (1998).

A publication, D. Voet & J.G. Voet, "Biochemistry" (2d ed., John Wiley
& Sons, New York, 1995), pp. 153-162.

A publication, H. Eccles, "Treatment of Metal-Contaminated Wastes:
Why Select a Biological Process," Biotopics 17: 462-465 (1999).

A publication, T.E. Higgins, ed., Pollution Prevention Handbook (CRC
Press, 1995).

A publication, F. Veglio & F. Beolchini, "Removal of Metals by
Biosorption, a Review," Hydrometallurgy 44: 301-316 (1997).

A publication, R.A.A. Muzzarelli et al., Chitin in Nature and Technology (Plenum Press, New York, 1986).

A publication, K. Dmowski, "Birds as Bioindicators of Heavy Metal Pollution: Review and Examples Concerning European Species," Acta Ornithol. 34: 1-25 (1999).

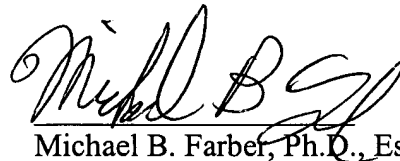
A publication, W.F. Schmidt et al., "Binding of Heavy Metal Ions to Fibers and Filters from Poultry Feathers," TAPPI Nonwovens Conference 97: 105-107.

A publication, W.F. Schmidt et al., "Binding of Heavy Metal Ions to Fibers and Filters from Poultry Feathers," Agricultural Research Service Report No. 78001, 1997.

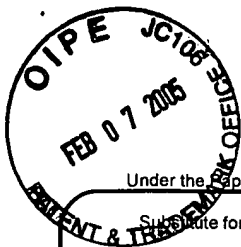
If any issues remain outstanding, the Examiner is respectfully requested to telephone the undersigned at (858) 450-0099 x302.

Respectfully submitted,

Date: February 4, 2005


Michael B. Farber, Ph.D., Esq.

CATALYST LAW GROUP, APC
4220 La Jolla Village Drive, Suite 220
San Diego, California 92122
(858) 450-0099
(858) 450-9834 (Fax)



PTO/SB/08A (08-03)

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

| | |
|------------------------|---------------|
| Application Number | 10/600,278 |
| Filing Date | June 10, 2004 |
| First Named Inventor | Carlo Licata |
| Art Unit | |
| Examiner Name | |
| Attorney Docket Number | 8039-002-CIP |

Sheet 1 of 3

U. S. PATENT DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Document Number | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
|-----------------------|--------------------------|--|--------------------------------|--|---|
| | | Number-Kind Code ² (if known) | | | |
| | | US- 3,931,002 | 01/06/1976 | Ottenheym et al | |
| | | US- 4,141,888 | 02/27/1979 | Matsuda et al | |
| | | US- 4,257,807 | 03/24/1981 | Drobot | |
| | | US- 4,289,53` | 09/15/1981 | Lechavelier et al | |
| | | US- 4,869,829 | 09/26/1989 | Casey | |
| | | US- 5,411,573 | 05/02/1995 | Kang et al | |
| | | US- 5,462,785 | 10/31/1995 | Holland | |
| | | US- 5,705,030 | 01/06/1998 | Gassner, III, et al | |
| | | US- 5,756,052 | 05/26/1998 | Suzumura et al | |
| | | US- 5,779,392 | 07/14/1998 | Mendes | |
| | | US- 6,027,608 | 02/22/2000 | Gassner | |
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FOREIGN PATENT DOCUMENTS

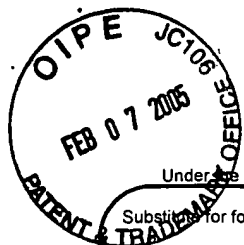
| Examiner Initials* | Cite No. ¹ | Foreign Patent Document | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear | T ⁶ |
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This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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**INFORMATION DISCLOSURE
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| Filing Date | June 10, 2004 |
| First Named Inventor | Carlo Licata |
| Art Unit | |
| Examiner Name | |
| Attorney Docket Number | 8039-002-CIP |

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NON PATENT LITERATURE DOCUMENTS

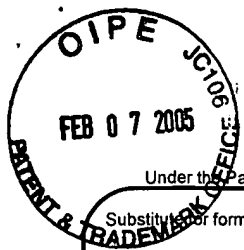
| Examiner Initials* | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T ² |
|--------------------|-----------------------|---|----------------|
| | | DOE Report DOE/EM-0560, entitled "Electrochemical Treatment of Alkaline Nuclear Wastes", dated January 2001. | |
| | | TRATYNEK, J.P., et al, "Waste Wool as a Scavenger for Mercury Pollution in Waters" Environ. Protection Agency, U.S. Printing Office, Washington DC 1972. | |
| | | SUYAMA, K., et al., "Biosorption of Precious Metal Ions by Chicken Feathers," Appl. Bio. Biotech. A: Enzyme Eng. & Biotech. 57-58: 67-74 (1996). | |
| | | ISHIKAWA, S. and SUYAMA, K., "Recovery and Refining of Gold by Gold Cyanide Ion Biosorption Using Animal Fibrous Proteins," Appl. Bio. Biotech. A: Enzyme Eng. & Biotech, 70-72: 19-28 (1998). | |
| | | VOET, D. and VOET, J.G., "Biochemistry" Second edition, John Wiley & Sons, New York, 1995), pp. 153-162. | |
| | | ECCLES, H. "Treatment of Metal-Contaminated Wastes: Why Select a Biological Process," Biotopics 17: 462-465, (1999). | |
| | | HIGGINS, T.E., ed., Pollution Prevention Handbook (CRC Press, 1995). | |
| | | VEGLIO, F. and BEOLCHINI, F., "Removal of Metals by Biosorption, a Review," Hydrometallurgy 44: 301-316 (1997). | |
| | | MUZZARELLI, R.A.A., et al., Chitin in Nature and Technology (Plenum Press, New York, 1986). | |
| | | DMOWSKI, K., "Birds as Bioindicators of Heavy Metal Pollution: Review and Examples Concerning European Special," Acta Ornithol, 34: 1-25 (1999). | |

Examiner
SignatureDate
Considered

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¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Sheet

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of

NON PATENT LITERATURE DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T ² |
|-----------------------|--------------------------|---|----------------|
| | | SCHMIDT, W.F., et al., Binding of Heavy Metal Ions to Fibers and Filters from Poultry Feathers," TAPPI Nonwovens Conference 97: 105-107. | |
| | | SCHMIDT, W.F., et al., "Binding of Heavy Metal Ions to Fibers and Filters from Poultry Feathers," Agricultural Research Service Report No. 78001, 1997. | |
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